CONFLICT-HANDLING ASSIMILATOR SERVICE FOR EXCHANGE OF RULES WITH MERGING

ABSTRACT OF THE DISCLOSURE

A system and method for merging two rulesets provided in rule-based systems associated with originating applications executing at different locations, each ruleset comprising rules in potential conflict with each other, and each ruleset being in a different rule format, the method comprising: communicating the rulesets to be merged over a distributed network to an assimilator service device for receiving each ruleset; providing a merge policy to the assimilator device, the merge policy comprising a set of specifications of partially-ordered priorities and/or mutual-exclusion constraints; translating the rulesets into a common core representation capable of being implemented in any logic program rule engine provided in a rule-based application at any location; assimilating the rulesets to produce a new merged ruleset comprising logic required for resolving potential conflicts among rules in accordance with the merge policy, where the new merged ruleset is in a common core representation capable of being implemented in any logic program rule engine provided in a rule-based application at any location; translating the new merged ruleset into one of the originating application's rule format; and communicating the translated new merged ruleset over the distributed network to one of the originating applications.